

Title (en)  
SUPPORTED CATALYST COMPONENT, SUPPORTED CATALYST, PREPARATION PROCESS, POLYMERIZATION PROCESS, COMPLEX COMPOUNDS, AND THEIR PREPARATION

Title (de)  
GETRÄGERTER KATALYSATORBESTANDTEIL, TRÄGERKATALYSATOR, HERSTELLUNGSVERFAHREN, POLYMERISATIONSVERFAHREN, KOMPLEXVERBINDUNGEN UND IHRE HERSTELLUNG

Title (fr)  
CONSTITUANT DE CATALYSEUR SUR SUPPORT, CATALYSEUR SUR SUPPORT, PROCEDE DE PREPARATION, PROCEDE DE POLYMERISATION, COMPLEXES ET LEUR PREPARATION

Publication  
**EP 0856014 A1 19980805 (EN)**

Application  
**EP 96910361 A 19960304**

Priority  
• US 9602891 W 19960304  
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Abstract (en)  
[origin: US5834393A] A supported catalyst component comprising (a) a support material, an organometal compound, and (b) an activator compound comprising b.1) a cation which is capable of reacting with a transition metal metallocene compound to form a catalytically active transition metal complex, and b.2) a compatible anion having up to 100 nonhydrogen atoms and containing at least one substituent comprising an active hydrogen moiety; a supported catalyst comprising the supported catalyst component and a transition metal compound; process for making the same; an addition polymerization process using the supported catalyst; complex compounds, and a method for preparing the same. In the mixture of the support material, the organometal compound, and the ionic activator compound, the organometal compound reacts with residual hydroxyl groups on the support, forming a hydrocarbon byproduct and an organometal compound bound to the support, and the active hydrogen on the anion of the activator reacts further with the bound organometal compound to form a further hydrocarbon byproduct. The order of addition is immaterial as long as these are the three essential ingredients added in the formation of the support-bound activator complex.

IPC 1-7  
**C08F 10/00**; **C08F 4/603**; **C07F 5/02**

IPC 8 full level  
**C07F 5/02** (2006.01); **C07F 7/00** (2006.01); **C07F 7/28** (2006.01); **B01J 31/12** (2006.01); **C07F 17/00** (2006.01); **C08F 4/02** (2006.01); **C08F 4/60** (2006.01); **C08F 4/603** (2006.01); **C08F 4/606** (2006.01); **C08F 10/00** (2006.01); **C08F 4/619** (2006.01); **C08F 4/6192** (2006.01)

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